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PATENT
8048-1102

IN THE U. S. PATENT AND TRADEMARK OFFICE

In re application of:

Nobuyuki TAKAKUWA et al.

Conf.: 5407

Appl. No.: 10/530,028

Group: 2621

Filed: November 8, 2005

Examiner: Daniel T. Tekle

Title: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING
DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD,
INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD, RECORDING
OR REPRODUCTION CONTROL COMPUTER PROGRAM, AND DATA STRUCTURE
CONTAINING CONTROL SIGNAL

PRE-APPEAL BRIEF REQUEST FOR REVIEW

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

October 25, 2010

Sir:

Appellants request a pre-appeal brief review of the
final rejection in the above-identified application. No
amendments are being filed with this request.

A Notice of Appeal is filed herewith.

Respectfully submitted,

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REASONS IN SUPPORT OF REQUEST FOR REVIEW

On pages 2 and 3 of the Office Action of July 23, 2010, it is asserted that Kashiwagi Fig. 16 discloses “(i) each of the object data file, the play list information and the object information file is recorded into a different area, respectively, and (ii) the object information comprising association definition information which defines, for each stream, a relationship between each stream and each packet which constructs each stream,” (Emphasis added) as in claim 22. Further it is asserted that “the play list information is disclosed in paragraphs 0216 to 0217 of Kashiwagi” and that “the object information is disclosed in Fig. 16 of Kashiwagi.”

However, it appears that the Office regards the “VTs_PGCIT (Video Title Set Program Chain information table) or VTs_PGCI#i or C_PBI#j (PGC information entry” of Kashiwagi as the “play list information” of the present invention, because the “VTs_PGCIT” records therein program chain, i.e. the reproduction sequence (see Fig. 16 and ¶ 0211 of Kashiwagi). In addition, it to Applicants that the Office may regard the “C_FVOBU_SA (first start address) or C_PBI#j including the “C_FVOBU_SA” of Kashiwagi as the “object information” of the present invention (see Fig. 16 and ¶ 0217 of Kashiwagi). Thus, it seems the Office may regard at least one of the below five combinations of (1) the “VTs_PGCIT” and the “C_FVOBU_SA”, (2) the “VTs_PGCIT” and the “C_PBI#j”, (3) the “VTs_PGCI#i” and the “C_FVOBU_SA”, (4) the “VTs_PGCI#i” and the “C_PBI#j”, and (5) the “C_PBI#j” and the “C_FVOBU_SA” as the

combination of the "play list information" and the "object information".

However, according to the above first combination (1), it is obvious that the "C_FVOBU_SA" is included in the "VTS_PGCIT". Thus, Kashiwagi does not disclose that each of the "VTS_PGCIT" and "C_FVBOU_SA" is recorded into a different area, respectively. Therefore, Kashiwagi does not disclose the above feature (i).

Similarly, according to the above first combination (2), it is obvious that the "C_PBI#j" is included in the "VTS_PGCIT". Thus, Kashiwagi does not disclose that each of the "VTS_PGCIT" and "C_PBI#j" is recorded into a different area, respectively. Therefore, Kashiwagi does not disclose the above feature (i).

Similarly, according to the above first combination (3), it is obvious that the "C_FVOBU_SA" is included in the "VTS_PGCI#i". Thus, Kashiwagi does not disclose that each of the "VTS_PGCI#i" and "C_FVBOU_SA" is recorded into a different area, respectively. Therefore, Kashiwagi does not disclose the above feature (i).

Similarly, according to the above first combination (4), it is obvious that the "C_PBI#j" is included in the "VTS_PGCI#i". Thus, Kashiwagi does not disclose that each of the "VTS_PGCI#i" and "C_PBI#j" is recorded into a different area, respectively. Therefore, Kashiwagi does not disclose the above feature (i).

Similarly, according to the above first combination (5), it is obvious that the "C_FVOBU_SA" is included in the "C_PBI#j". Thus, Kashiwagi does not disclose that each of the "C_PBI#j" and "C_FVBOU_SA" is recorded into a different area, respectively. Therefore, Kashiwagi does not disclose the above feature (i).

Therefore, the Applicants submit that Kashiwagi does not disclose the above feature (i).

The Office asserts that the above feature (ii) is disclosed in Fig. 16 of Kashiwagi. However, the Office does not indicate which part in Fig. 16 of Kashiwagi corresponds to the feature (ii). Thus, the Applicants list all of the components disclosed in Fig. 16, in order to rebut the assertion.

Fig. 16 of Kashiwagi discloses:

(1) VTS (Video Title Set) that (i) includes the video, audio, and other reproduction data representing the content of each title in the set, and control data for controlling the content data (§ 0097) and (ii) includes the VTSI (VTS information) and the VTSTT_VOBS (VTS title Video Object) (§ 0208); (1-1) VTSI that (i) describes the management information for the entire disk (§ 0208) and (ii) primarily includes the VTSI_MAT (VTSI MAnagement Table) and the VTS_PGCIT (VTS ProGram Chain Information Table) (§ 0209); (1-1-1) VTSI_MAT that stores such information as the internal structure of the VTS, the number of selectable audio streams contained in the VTS, the number of sub-pictures, and the VTS location (§ 0210);

(1-1-2) VTS_PGCIT that records i pieces of program chain data blocks (i.e. the VTS_PGCI#1 to VTS_PGCI#i) for controlling the playback sequence (§ 0211); (1-1-2-1) VTS_PGCI#i that (i) is a data entry expressing the program chain, and (ii) includes j pieces of cell playback information blocks (i.e. C_PBI#1 to C_PBI#j) (§ 0211);

(1-1-2-1-1) CELL NO;

(1-1-2-1-2) C_PBI#j that (i) includes the playback sequence of the cell and playback control information (§ 0211) and (ii) includes both cell playback processing information and the cell information table such as the CBM (Cell Block Mode), CBT (Cell Block Type), SPF (Seamless Playback Flag), IAF (Interleaved Allocation Flag), STCDF (System Time Clock resetting Flag), C_PBTM (Cell Presentation Time), SACF (Seamless Angle Change Flag), C_FVOBU_SA (First Cell VOB Start Address) and C_LVOBU_SA (Last Cell VOB Start Address) (§ 0217);

(1-1-2-1-2-1) CBM that indicates whether plural cells constitute one functional block (§ 0219);

(1-1-2-1-2-2) CBT that identifies the type of the block indicated by the CBM (§ 0220);

(1-1-2-1-2-3) SPF that simply indicates whether the corresponding cell is to be linked and played back seamlessly with the cell or cell block reproduced immediately therebefore (§ 0221);

(1-1-2-1-2-4) IAF that stores a value identifying whether the cell exists in a contiguous or interleaved block (§ 0222);

(1-1-2-1-2-5) STCDF that identifies whether the STC used for synchronization must be reset when the cell is played back (§ 0223);

(1-1-2-1-2-6) SACF that stores a value indicating whether a cell in a multi-angle period should be connected seamlessly at an angle change (§ 0224);

(1-1-2-1-2-7) C_PBTM that expresses the cell presentation time with video frame precision (§ 0225);

(1-1-2-1-2-1) C_FVOBU_SA that is the VOB start address of the first cell in a block (§ 0226);

(1-1-2-1-2-1) C_LVOBU_SA that is the VOB start address of the last cell in a block (§ 0227);

(1-2) VTSTT_VOBS that (i) is the system stream of the multimedia bitstream (§ 0208) and (ii) includes q pieces of SS (system streams) each of which is referred to as a VOB (§ 0228);

(1-2-1) VOB#q that includes at least one video data block interleaved with up to a maximum eight audio data blocks and up to maximum 32 sub-picture data block (§ 0228) and (ii) includes r pieces of Cells (i.e. CELL#1 to CELL#r) (§ 0229);

(1-2-1-1) CELL#r that (i) is all or part of the system stream (§ 0216) and (ii) includes s pieces of VOB (i.e. VOB#1 to VOB#s) (§ 0229);

(1-2-1-1-1) VOB#s that includes plural GOP (Group Of Picture), audio and sub-pictures (§ 0230); and

(1-2-1-1-1-1) NV that is the control data for the VOB (§ 0230).

However, all of the components disclosed in Fig. 16 of Kashiwagi do not disclose, suggest or teach the information indicating the relationship between each stream (i.e. each VOB) and each packet which constructs a VOB. Therefore, the Applicants submit that Kashiwagi does not disclose the above feature (ii).

Arguments above apply likewise to claims 26 and 27.

In view of the above-noted errors, withdrawal of the rejection and allowance of the claims are respectfully requested.